

Victor L Davidson

List of Publications by Year in descending order

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204
papers

5,974
citations

50170

46
h-index

106150

65
g-index

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239
docs citations

239
times ranked

2532
citing authors

#	ARTICLE	IF	CITATIONS
1	The hemerythrin-like diiron protein from <i>Mycobacterium kansasii</i> is a nitric oxide peroxidase. <i>Journal of Biological Chemistry</i> , 2022, , 101696.	1.6	2
2	Substitution of the sole tryptophan of the cupredoxin, amicyanin, with 5-hydroxytryptophan alters fluorescence properties and energy transfer to the type 1 copper site. <i>Journal of Inorganic Biochemistry</i> , 2022, 234, 111895.	1.5	2
3	Diversity of structures and functions of oxo-bridged non-heme diiron proteins. <i>Archives of Biochemistry and Biophysics</i> , 2021, 705, 108917.	1.4	14
4	Protein-Derived Cofactors. , 2020, , 40-57.		2
5	Correlation of Conservation of Sequence and Structures of Mycobacterial Hemerythrin-like Proteins with Evolutionary Relationship and Host Pathogenicity. <i>ACS Omega</i> , 2020, 5, 23385-23392.	1.6	2
6	Crystal structure of a hemerythrin-like protein from <i>Mycobacterium kansasii</i> and homology model of the orthologous Rv2633c protein of <i>M. tuberculosis</i> . <i>Biochemical Journal</i> , 2020, 477, 567-581.	1.7	8
7	Roles of active-site residues in catalysis, substrate binding, cooperativity, and the reaction mechanism of the quinoprotein glycine oxidase. <i>Journal of Biological Chemistry</i> , 2020, 295, 6472-6481.	1.6	2
8	The Redox Properties of a Cysteine Tryptophylquinone-Dependent Glycine Oxidase Are Distinct from Those of Tryptophylquinone-Dependent Dehydrogenases. <i>Biochemistry</i> , 2019, 58, 2243-2249.	1.2	3
9	Characterization of PlGoxB, a flavoprotein required for cysteine tryptophylquinone biosynthesis in glycine oxidase from <i>Pseudoalteromonas luteoviolacea</i> . <i>Archives of Biochemistry and Biophysics</i> , 2019, 674, 108110.	1.4	3
10	Kinetic and structural evidence that Asp-678 plays multiple roles in catalysis by the quinoprotein glycine oxidase. <i>Journal of Biological Chemistry</i> , 2019, 294, 17463-17470.	1.6	2
11	Structural and Spectroscopic Characterization of a Product Schiff Base Intermediate in the Reaction of the Quinoprotein Glycine Oxidase, GoxA. <i>Biochemistry</i> , 2019, 58, 706-713.	1.2	4
12	Protein-Derived Cofactors Revisited: Empowering Amino Acid Residues with New Functions. <i>Biochemistry</i> , 2018, 57, 3115-3125.	1.2	28
13	Structure and Enzymatic Properties of an Unusual Cysteine Tryptophylquinone-Dependent Glycine Oxidase from <i>Pseudoalteromonas luteoviolacea</i> . <i>Biochemistry</i> , 2018, 57, 1155-1165.	1.2	18
14	Metabolomics reveals critical adrenergic regulatory checkpoints in glycolysis and pentose-phosphate pathways in embryonic heart. <i>Journal of Biological Chemistry</i> , 2018, 293, 6925-6941.	1.6	13
15	The Rv2633c protein of <i>Mycobacterium tuberculosis</i> is a non-heme di-iron catalase with a possible role in defenses against oxidative stress. <i>Journal of Biological Chemistry</i> , 2018, 293, 1590-1595.	1.6	19
16	Diversity of structures, catalytic mechanisms and processes of cofactor biosynthesis of tryptophylquinone-bearing enzymes. <i>Archives of Biochemistry and Biophysics</i> , 2018, 654, 40-46.	1.4	10
17	Quinone Cofactors. , 2018, , 1-4.		0
18	Coupled Electron Transfer. , 2018, , 1-3.		0

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19	Electron Transfer Theory. , 2018, , 1-5.		0
20	Roles of Copper and a Conserved Aspartic Acid in the Autocatalytic Hydroxylation of a Specific Tryptophan Residue during Cysteine Tryptophylquinone Biogenesis. <i>Biochemistry</i> , 2017, 56, 997-1004.	1.2	7
21	Properties of the high-spin heme of MauG are altered by binding of preMADH at the protein surface 40 Å... away. <i>FEBS Letters</i> , 2017, 591, 1566-1572.	1.3	1
22	Ascorbate protects the diheme enzyme, MauG, against self-inflicted oxidative damage by an unusual antioxidant mechanism. <i>Biochemical Journal</i> , 2017, 474, 2563-2572.	1.7	2
23	Analytical Methods for Assessing the Effects of Site-Directed Mutagenesis on Protein-Cofactor and Protein-Protein Functional Relationships. <i>Methods in Molecular Biology</i> , 2017, 1498, 421-438.	0.4	1
24	In Silico Approaches to Identify Mutagenesis Targets to Probe and Alter Protein-Cofactor and Protein-Protein Functional Relationships. <i>Methods in Molecular Biology</i> , 2017, 1498, 181-190.	0.4	2
25	Interaction of GoxA with Its Modifying Enzyme and Its Subunit Assembly Are Dependent on the Extent of Cysteine Tryptophylquinone Biosynthesis. <i>Biochemistry</i> , 2016, 55, 2305-2308.	1.2	10
26	MauG, a Diheme Enzyme Involved in the Synthesis of the Enzyme Cofactor, Tryptophan Tryptophylquinone. , 2016, , 1-30.		8
27	Mechanism of protein oxidative damage that is coupled to long-range electron transfer to high-valent haems. <i>Biochemical Journal</i> , 2016, 473, 1769-1775.	1.7	14
28	A Suicide Mutation Affecting Proton Transfers to High-Valent Hemes Causes Inactivation of MauG during Catalysis. <i>Biochemistry</i> , 2016, 55, 5738-5745.	1.2	6
29	Roles of Conserved Residues of the Glycine Oxidase GoxA in Controlling Activity, Cooperativity, Subunit Composition, and Cysteine Tryptophylquinone Biosynthesis. <i>Journal of Biological Chemistry</i> , 2016, 291, 23199-23207.	1.6	13
30	Acoustic Injectors for Drop-On-Demand Serial Femtosecond Crystallography. <i>Structure</i> , 2016, 24, 631-640.	1.6	88
31	Converting the bis-FeIV state of the diheme enzyme MauG to Compound I decreases the reorganization energy for electron transfer. <i>Biochemical Journal</i> , 2016, 473, 67-72.	1.7	1
32	Use of the amicyanin signal sequence for efficient periplasmic expression in <i>E. coli</i> of a human antibody light chain variable domain. <i>Protein Expression and Purification</i> , 2015, 108, 9-12.	0.6	11
33	A T67A mutation in the proximal pocket of the high-spin heme of MauG stabilizes formation of a mixed-valent FeII/FeIII state and enhances charge resonance stabilization of the bis-FeIV state. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2015, 1847, 709-716.	0.5	4
34	Roles of active site residues in LodA, a cysteine tryptophylquinone dependent $\hat{\mu}$ -lysine oxidase. <i>Archives of Biochemistry and Biophysics</i> , 2015, 579, 26-32.	1.4	17
35	Characterization of the free energy dependence of an interprotein electron transfer reaction by variation of pH and site-directed mutagenesis. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2015, 1847, 1181-1186.	0.5	2
36	Roles of multiple-proton transfer pathways and proton-coupled electron transfer in the reactivity of the bis-FeIV state of MauG. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 10896-10901.	3.3	19

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37	Characterization of recombinant biosynthetic precursors of the cysteine tryptophylquinone cofactors of l-lysine-epsilon-oxidase and glycine oxidase from <i>Marinomonas mediterranea</i> . <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2015, 1854, 1123-1131.	1.1	20
38	Mechanisms for control of biological electron transfer reactions. <i>Bioorganic Chemistry</i> , 2014, 57, 213-221.	2.0	20
39	Steady-state kinetic mechanism of LodA, a novel cysteine tryptophylquinone-dependent oxidase. <i>FEBS Letters</i> , 2014, 588, 752-756.	1.3	12
40	MauG, a diheme enzyme that catalyzes tryptophan tryptophylquinone biosynthesis by remote catalysis. <i>Archives of Biochemistry and Biophysics</i> , 2014, 544, 112-118.	1.4	6
41	Site-Directed Mutagenesis of Gln103 Reveals the Influence of This Residue on the Redox Properties and Stability of MauG. <i>Biochemistry</i> , 2014, 53, 1342-1349.	1.2	10
42	The sole tryptophan of amicyanin enhances its thermal stability but does not influence the electronic properties of the type 1 copper site. <i>Archives of Biochemistry and Biophysics</i> , 2014, 550-551, 20-27.	1.4	7
43	A simple method to engineer a protein-derived redox cofactor for catalysis. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2014, 1837, 1595-1601.	0.5	2
44	Oxidative Damage in MauG: Implications for the Control of High-Valent Iron Species and Radical Propagation Pathways. <i>Biochemistry</i> , 2013, 52, 9447-9455.	1.2	25
45	Diradical intermediate within the context of tryptophan tryptophylquinone biosynthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 4569-4573.	3.3	51
46	A Trp199Glu MauG variant reveals a role for Trp199 interactions with pre-methylamine dehydrogenase during tryptophan tryptophylquinone biosynthesis. <i>FEBS Letters</i> , 2013, 587, 1736-1741.	1.3	3
47	Gated Electron Transfer. , 2013, , 886-888.		0
48	Quinone Cofactors. , 2013, , 2166-2168.		1
49	Posttranslational Biosynthesis of the Protein-Derived Cofactor Tryptophan Tryptophylquinone. <i>Annual Review of Biochemistry</i> , 2013, 82, 531-550.	5.0	36
50	Carboxyl Group of Glu113 Is Required for Stabilization of the Diferrous and Bis-Fe ^{IV} States of MauG. <i>Biochemistry</i> , 2013, 52, 6358-6367.	1.2	14
51	Mutation of Trp93 of MauG to tyrosine causes loss of bound Ca ²⁺ and alters the kinetic mechanism of tryptophan tryptophylquinone cofactor biosynthesis. <i>Biochemical Journal</i> , 2013, 456, 129-137.	1.7	7
52	Structures of MauG in complex with quinol and quinone MADH. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2013, 69, 738-743.	0.7	5
53	Tryptophan-mediated charge-resonance stabilization in the bis-Fe(IV) redox state of MauG. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 9639-9644.	3.3	63
54	Effects of the loss of the axial tyrosine ligand of the low-spin heme of MauG on its physical properties and reactivity. <i>FEBS Letters</i> , 2012, 586, 4339-4343.	1.3	16

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55	Proline 107 Is a Major Determinant in Maintaining the Structure of the Distal Pocket and Reactivity of the High-Spin Heme of MauG. <i>Biochemistry</i> , 2012, 51, 1598-1606.	1.2	30
56	Role of Calcium in Metalloenzymes: Effects of Calcium Removal on the Axial Ligation Geometry and Magnetic Properties of the Catalytic Diheme Center in MauG. <i>Biochemistry</i> , 2012, 51, 1586-1597.	1.2	30
57	Tryptophan tryptophylquinone biosynthesis: A radical approach to posttranslational modification. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2012, 1824, 1299-1305.	1.1	13
58	Geometric and electronic structures of the His ϵ -Fe(IV)=O and His ϵ -Fe(IV)-Tyr hemes of MauG. <i>Journal of Biological Inorganic Chemistry</i> , 2012, 17, 1241-1255.	1.1	20
59	Characterization of Electron Tunneling and Hole Hopping Reactions between Different Forms of MauG and Methylamine Dehydrogenase within a Natural Protein Complex. <i>Biochemistry</i> , 2012, 51, 6942-6949.	1.2	39
60	Generation of protein-derived redoxcofactors by posttranslational modification. <i>Molecular BioSystems</i> , 2011, 7, 29-37.	2.9	43
61	Crystal Structures of CO and NO Adducts of MauG in Complex with Pre-Methylamine Dehydrogenase: Implications for the Mechanism of Dioxxygen Activation. <i>Biochemistry</i> , 2011, 50, 2931-2938.	1.2	20
62	Proline 96 of the Copper Ligand Loop of Amicyanin Regulates Electron Transfer from Methylamine Dehydrogenase by Positioning Other Residues at the Protein-Protein Interface. <i>Biochemistry</i> , 2011, 50, 1265-1273.	1.2	7
63	The Tightly Bound Calcium of MauG Is Required for Tryptophan Tryptophylquinone Cofactor Biosynthesis. <i>Biochemistry</i> , 2011, 50, 144-150.	1.2	17
64	Cupredoxins—A study of how proteins may evolve to use metals for bioenergetic processes. <i>Metallomics</i> , 2011, 3, 140.	1.0	76
65	Mutagenesis of tryptophan199 suggests that hopping is required for MauG-dependent tryptophan tryptophylquinone biosynthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 16956-16961.	3.3	65
66	Replacement of the axial copper ligand methionine with lysine in amicyanin converts it to a zinc-binding protein that no longer binds copper. <i>Journal of Inorganic Biochemistry</i> , 2011, 105, 1638-1644.	1.5	4
67	The many faces of a proton. <i>Nature Chemistry</i> , 2011, 3, 662-663.	6.6	14
68	Protein-Derived Cofactors. , 2010, , 675-710.		3
69	In Crystallo Posttranslational Modification Within a MauG/Pre-Methylamine Dehydrogenase Complex. <i>Science</i> , 2010, 327, 1392-1394.	6.0	117
70	Unprecedented Fe(IV) Species in a Diheme Protein MauG: A Quantum Chemical Investigation on the Unusual Mössbauer Spectroscopic Properties. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 2936-2939.	2.1	30
71	Long-Range Electron Transfer Reactions between Hemes of MauG and Different Forms of Tryptophan Tryptophylquinone of Methylamine Dehydrogenase. <i>Biochemistry</i> , 2010, 49, 5810-5816.	1.2	25
72	Functional Importance of Tyrosine 294 and the Catalytic Selectivity for the Bis-Fe(IV) State of MauG Revealed by Replacement of This Axial Heme Ligand with Histidine. <i>Biochemistry</i> , 2010, 49, 9783-9791.	1.2	42

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73	Uncovering novel biochemistry in the mechanism of tryptophan tryptophylquinone cofactor biosynthesis. <i>Current Opinion in Chemical Biology</i> , 2009, 13, 469-474.	2.8	29
74	Kinetic Mechanism for the Initial Steps in MauG-Dependent Tryptophan Tryptophylquinone Biosynthesis. <i>Biochemistry</i> , 2009, 48, 2442-2447.	1.2	47
75	Suicide Inactivation of MauG during Reaction with O ₂ or H ₂ O ₂ in the Absence of Its Natural Protein Substrate. <i>Biochemistry</i> , 2009, 48, 10106-10112.	1.2	20
76	Defining the Role of the Axial Ligand of the Type 1 Copper Site in Amicyanin by Replacement of Methionine with Leucine. <i>Biochemistry</i> , 2009, 48, 9174-9184.	1.2	17
77	Heme Iron Nitrosyl Complex of MauG Reveals an Efficient Redox Equilibrium between Hemes with Only One Heme Exclusively Binding Exogenous Ligands. <i>Biochemistry</i> , 2009, 48, 11603-11605.	1.2	21
78	The axial ligand and extent of protein folding determine whether Zn or Cu binds to amicyanin. <i>Journal of Inorganic Biochemistry</i> , 2008, 102, 342-346.	1.5	7
79	Protein Control of True, Gated, and Coupled Electron Transfer Reactions. <i>Accounts of Chemical Research</i> , 2008, 41, 730-738.	7.6	102
80	Kinetic and Physical Evidence That the Diheme Enzyme MauG Tightly Binds to a Biosynthetic Precursor of Methylamine Dehydrogenase with Incompletely Formed Tryptophan Tryptophylquinone. <i>Biochemistry</i> , 2008, 47, 2908-2912.	1.2	21
81	A catalytic di-heme bis-Fe(IV) intermediate, alternative to an Fe(IV)=O porphyrin radical. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 8597-8600.	3.3	89
82	Detection of Transient Intermediates in the Metal-Dependent Nonoxidative Decarboxylation Catalyzed by Î±-Amino-Î²-Carboxymuconate-Î¼-Semialdehyde Decarboxylase. <i>Journal of the American Chemical Society</i> , 2007, 129, 9278-9279.	6.6	20
83	Correlation of Rhombic Distortion of the Type 1 Copper Site of M98Q Amicyanin with Increased Electron Transfer Reorganization Energy. <i>Biochemistry</i> , 2007, 46, 8561-8568.	1.2	9
84	Protein-Derived Cofactors. Expanding the Scope of Post-Translational Modifications. <i>Biochemistry</i> , 2007, 46, 5283-5292.	1.2	69
85	Generation of Novel Copper Sites by Mutation of the Axial Ligand of Amicyanin. <i>Atomic Resolution Structures and Spectroscopic Properties</i> ,. <i>Biochemistry</i> , 2007, 46, 1900-1912.	1.2	21
86	A Single Methionine Residue Dictates the Kinetic Mechanism of Interprotein Electron Transfer from Methylamine Dehydrogenase to Amicyanin ^{sup} , ^{sup} . <i>Biochemistry</i> , 2007, 46, 11137-11146.	1.2	13
87	Tracking X-ray-derived redox changes in crystals of a methylamine dehydrogenase/amicyanin complex using single-crystal UV/Vis microspectrophotometry. <i>Journal of Synchrotron Radiation</i> , 2007, 14, 92-98.	1.0	37
88	Crystal Structure of an Electron Transfer Complex between Aromatic Amine Dehydrogenase and Azurin from <i>Alcaligenes faecalis</i> .. <i>Biochemistry</i> , 2006, 45, 13500-13510.	1.2	34
89	Evidence for Redox Cooperativity between Type Hemes of MauG Which Is Likely Coupled to Oxygen Activation during Tryptophan Tryptophylquinone Biosynthesis. <i>Biochemistry</i> , 2006, 45, 821-828.	1.2	59
90	Mechanistic Possibilities in MauG-Dependent Tryptophan Tryptophylquinone Biosynthesis. <i>Biochemistry</i> , 2006, 45, 13276-13283.	1.2	45

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91	Site-Directed Mutagenesis of Proline 52 To Glycine in Amicyanin Converts a True Electron Transfer Reaction into One that Is Conformationally Gated,. <i>Biochemistry</i> , 2006, 45, 8284-8293.	1.2	15
92	Isotope Labeling Studies Reveal the Order of Oxygen Incorporation into the Tryptophan Tryptophylquinone Cofactor of Methylamine Dehydrogenase. <i>Journal of the American Chemical Society</i> , 2006, 128, 12416-12417.	6.6	23
93	Involvement of a Putative [Fe-S]-cluster-binding Protein in the Biogenesis of Quinohemoprotein Amine Dehydrogenase. <i>Journal of Biological Chemistry</i> , 2006, 281, 13672-13684.	1.6	30
94	Structure and mechanism of tryptophylquinone enzymes. <i>Bioorganic Chemistry</i> , 2005, 33, 159-170.	2.0	20
95	Active Site Aspartate Residues Are Critical for Tryptophan Tryptophylquinone Biogenesis in Methylamine Dehydrogenase. <i>Journal of Biological Chemistry</i> , 2005, 280, 17392-17396.	1.6	15
96	Site-Directed Mutagenesis of Proline 94 to Alanine in Amicyanin Converts a True Electron Transfer Reaction into One That Is Kinetically Coupledâ€. <i>Biochemistry</i> , 2005, 44, 7200-7206.	1.2	16
97	MauG-Dependent in Vitro Biosynthesis of Tryptophan Tryptophylquinone in Methylamine Dehydrogenase. <i>Journal of the American Chemical Society</i> , 2005, 127, 8258-8259.	6.6	52
98	The ligand geometry of copper determines the stability of amicyanin. <i>Archives of Biochemistry and Biophysics</i> , 2005, 444, 27-33.	1.4	13
99	Electron transfer in crystals of the binary and ternary complexes of methylamine dehydrogenase with amicyanin and cytochrome c551i as detected by EPR spectroscopy. <i>Journal of Biological Inorganic Chemistry</i> , 2004, 9, 231-237.	1.1	14
100	Crystallographic and NMR Investigation of Cobalt-Substituted Amicyanin,. <i>Biochemistry</i> , 2004, 43, 9381-9389.	1.2	12
101	Further Insights into Quinone Cofactor Biogenesis:Â Probing the Role of mauG in Methylamine Dehydrogenase Tryptophan Tryptophylquinone Formationâ€. <i>Biochemistry</i> , 2004, 43, 5494-5502.	1.2	76
102	Structural Studies of Two Mutants of Amicyanin from <i>Paracoccus denitrificans</i> That Stabilize the Reduced State of the Copper,. <i>Biochemistry</i> , 2004, 43, 9372-9380.	1.2	37
103	Electron transfer in quinoproteins. <i>Archives of Biochemistry and Biophysics</i> , 2004, 428, 32-40.	1.4	68
104	X-ray structure of methanol dehydrogenase from <i>Paracoccus denitrificans</i> and molecular modeling of its interactions with cytochrome c-551i. <i>Journal of Biological Inorganic Chemistry</i> , 2003, 8, 843-854.	1.1	30
105	Probing mechanisms of catalysis and electron transfer by methylamine dehydrogenase by site-directed mutagenesis of Î±Phe55. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2003, 1647, 230-233.	1.1	7
106	Evidence for Substrate Activation of Electron Transfer from Methylamine Dehydrogenase to Amicyanin. <i>Journal of the American Chemical Society</i> , 2003, 125, 3224-3225.	6.6	11
107	MauG, a Novel Diheme Protein Required for Tryptophan Tryptophylquinone Biogenesis. <i>Biochemistry</i> , 2003, 42, 7318-7325.	1.2	123
108	Understanding Quinone Cofactor Biogenesis in Methylamine Dehydrogenase through Novel Cofactor Generationâ€. <i>Biochemistry</i> , 2003, 42, 3224-3230.	1.2	21

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109	Chemical and Kinetic Reaction Mechanisms of Quinohemoprotein Amine Dehydrogenase from <i>Paracoccus denitrificans</i> . <i>Biochemistry</i> , 2003, 42, 10896-10903.	1.2	24
110	Effects of Engineering Uphill Electron Transfer into the Methylamine Dehydrogenase ⁺ Amicyanin ⁺ Cytochrome-c-551i Complex ⁺ . <i>Biochemistry</i> , 2003, 42, 1772-1776.	1.2	11
111	An Engineered CuA Amicyanin Capable of Intermolecular Electron Transfer Reactions. <i>Journal of Biological Chemistry</i> , 2003, 278, 47269-47274.	1.6	21
112	Use of Indirect Site-directed Mutagenesis to Alter the Substrate Specificity of Methylamine Dehydrogenase. <i>Journal of Biological Chemistry</i> , 2002, 277, 4119-4122.	1.6	11
113	Mechanisms of Catalysis and Electron Transfer by Tryptophan Tryptophylquinone Enzymes. <i>Progress in Reaction Kinetics and Mechanism</i> , 2002, 27, 209-241.	1.1	4
114	Improved Sensitivity of a Histamine Sensor Using an Engineered Methylamine Dehydrogenase. <i>Analytical Chemistry</i> , 2002, 74, 1144-1148.	3.2	48
115	Mutation of $\hat{\pm}$ Phe55 of Methylamine Dehydrogenase Alters the Reorganization Energy and Electronic Coupling for Its Electron Transfer Reaction with Amicyanin,. <i>Biochemistry</i> , 2002, 41, 13926-13933.	1.2	21
116	Chemically Gated Electron Transfer. A Means of Accelerating and Regulating Rates of Biological Electron Transfer ⁺ . <i>Biochemistry</i> , 2002, 41, 14633-14636.	1.2	48
117	Lysozyme-Osmotic Shock Methods for Localization of Periplasmic Redox Proteins in Bacteria. <i>Methods in Enzymology</i> , 2002, 353, 121-130.	0.4	13
118	Redox properties of an engineered purple CuA azurin. <i>Archives of Biochemistry and Biophysics</i> , 2002, 404, 158-162.	1.4	2
119	Inter-subunit cross-linking of methylamine dehydrogenase by cyclopropylamine requires residue $\hat{\pm}$ Phe55. <i>FEBS Letters</i> , 2002, 517, 172-174.	1.3	1
120	Re-Engineering Monovalent Cation Binding Sites of Methylamine Dehydrogenase: $\hat{\Delta}$ Effects on Spectral Properties and Gated Electron Transfer ⁺ . <i>Biochemistry</i> , 2001, 40, 12285-12291.	1.2	18
121	Pyroloquinoline quinone (PQQ) from methanol dehydrogenase and tryptophan tryptophylquinone (TTQ) from methylamine dehydrogenase. <i>Advances in Protein Chemistry</i> , 2001, 58, 95-140.	4.4	77
122	Active-site residues are critical for the folding and stability of methylamine dehydrogenase. <i>Protein Engineering, Design and Selection</i> , 2001, 14, 675-681.	1.0	12
123	Reaction products and intermediates of tryptophan tryptophylquinone enzymes. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2000, 8, 69-83.	1.8	3
124	Methylamine Dehydrogenase Structure and Function of Electron Transfer Complexes. <i>Sub-Cellular Biochemistry</i> , 2000, 35, 119-143.	1.0	6
125	Tyr30 of amicyanin is not critical for electron transfer to cytochrome c-551i: implications for predicting electron transfer pathways. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2000, 1457, 27-35.	0.5	8
126	What Controls the Rates of Interprotein Electron-Transfer Reactions. <i>Accounts of Chemical Research</i> , 2000, 33, 87-93.	7.6	139

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127	Conversion of Methylamine Dehydrogenase to a Long-Chain Amine Dehydrogenase by Mutagenesis of a Single Residue. <i>Biochemistry</i> , 2000, 39, 11184-11186.	1.2	25
128	Effects of Kinetic Coupling on Experimentally Determined Electron Transfer Parameters. <i>Biochemistry</i> , 2000, 39, 4924-4928.	1.2	33
129	Amperometric Detection of Histamine with a Methylamine Dehydrogenase Polypyrrole-Based Sensor. <i>Analytical Chemistry</i> , 2000, 72, 2211-2215.	3.2	75
130	Molecular Basis for Complex Formation between Methylamine Dehydrogenase and Amicyanin Revealed by Inverse Mutagenesis of an Interprotein Salt Bridge. <i>Biochemistry</i> , 2000, 39, 8830-8836.	1.2	18
131	Characterization of the Tryptophan Tryptophyl-Semiquinone Catalytic Intermediate of Methylamine Dehydrogenase by Electron Spin Echo Envelope Modulation Spectroscopy. <i>Journal of the American Chemical Society</i> , 2000, 122, 931-938.	6.6	22
132	Tryptophan Tryptophylquinone Enzymes: Structure and Function. , 2000, , 197-202.		0
133	Heterologous Expression of Correctly Assembled Methylamine Dehydrogenase in <i>Rhodobacter sphaeroides</i> . <i>Journal of Bacteriology</i> , 1999, 181, 4216-4222.	1.0	58
134	Identification of a New Reaction Intermediate in the Oxidation of Methylamine Dehydrogenase by Amicyanin. <i>Biochemistry</i> , 1999, 38, 4862-4867.	1.2	25
135	Gated and Ungated Electron Transfer Reactions from Aromatic Amine Dehydrogenase to Azurin. <i>Journal of Biological Chemistry</i> , 1999, 274, 29081-29086.	1.6	14
136	Methylamine Dehydrogenase: Structure and Function of Electron Transfer Complexes. <i>Biochemical Society Transactions</i> , 1999, 27, A30-A30.	1.6	0
137	Structure, Function, And Applications of Tryptophan Tryptophylquinone Enzymes. <i>Advances in Experimental Medicine and Biology</i> , 1999, 467, 587-595.	0.8	3
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